

ABSTRACT

A system and method of processing data in a stateful protocol processing system ("SPPS") configured to process a multiplicity of flows of messages is disclosed herein. The method includes receiving a first plurality of messages belonging to a first of the flows comporting with a first stateful protocol. In addition, a second plurality of messages belonging to a second of the flows comporting with a second stateful protocol are also received. Various events of at least first and second types associated with the first flow are then derived from the first plurality of received messages. The method further includes assigning a first protocol processing core to process the events of the first type in accordance with the first stateful protocol. A second protocol processing core is also assigned to process the events of the second type in accordance with the first stateful protocol.

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